

Title (en)

Radial compressor with a diffuser including passive flow control

Title (de)

Radialverdichter mit einem Diffusor mit Mitteln zur passiven Kontrolle der Durchflussmenge

Title (fr)

Diaphragme avec contrôle passif de débit pour étage de compression

Publication

EP 2650543 A2 20131016 (FR)

Application

EP 13162922 A 20130409

Priority

FR 1253314 A 20120411

Abstract (en)

The diaphragm (4) has a set of passages (9) extending between two mutually opposite faces of the diaphragm, so as to create a flow of gas between the opposite faces depending on a pressure difference prevailing on either side of the diaphragm. The set of passages is arranged regularly in the diaphragm, where each passage extends, on one of the faces of the diaphragm, between two fixed blades provided on the diaphragm, and the number of passages corresponds to the number of fixed blades of the diaphragm. An independent claim is also included for a compression stage of a compressor.

Abstract (fr)

Ce diaphragme pour étage de compression de compresseur comporte un ensemble d'au moins un passage (9) traversant s'étendant entre deux faces (6, 7) mutuellement opposées du diaphragme, de manière à créer un flux de gaz entre lesdites faces selon la différence de pression régnant de part et d'autre du diaphragme.

IPC 8 full level

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CPC (source: EP US)

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Designated extension state (EPC)

BA ME

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